

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
 Data File : BF093310.D
 Acq On : 2 Mar 2017 00:56
 Operator : SJ/MA
 Sample : I2002-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-9(3.5-5.5)

Manual Integrations
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 3/2/2017 1:42:57 PM

Quant Time: Mar 02 02:24:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	111690	20.00	ng	-0.03
21) Naphthalene-d8	8.13	136	176004	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	66282m	20.00	ng	0.02
63) Phenanthrene-d10	11.34	188	275032	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	290834	20.00	ng	-0.05
86) Perylene-d12	15.41	264	278432	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	941783	144.66	ng	-0.05
7) Phenol-d6	6.46	99	910970	108.75	ng	-0.02
23) Nitrobenzene-d5	7.40	82	225869	71.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	115986	241.94	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	244536	66.84	ng	0.01
78) Terphenyl-d14	12.92	244	783938	63.33	ng	-0.05
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.89	142	129665	22.63	ng	# 73
51) Acenaphthene	9.95	154	39083m	10.08	ng	
57) Fluorene	10.44	166	171720m	43.03	ng	
70) Phenanthrene	11.38	178	349268	22.17	ng	# 91
74) Fluoranthene	12.56	202	345937	21.28	ng	95
77) Pyrene	12.79	202	490881	22.55	ng	99
80) Benzo(a)anthracene	13.96	228	174042m	9.78	ng	
82) Chrysene	14.01	228	107141m	6.43	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	34384	2.84	ng	# 86
85) Indeno(1,2,3-cd)pyrene	16.81	276	83769	6.49	ng	96
87) Benzo(b)fluoranthene	15.00	252	175013m	9.55	ng	
88) Benzo(k)fluoranthene	15.03	252	56605m	3.58	ng	
89) Benzo(a)pyrene	15.35	252	138000	8.71	ng	# 79
91) Benzo(a,h,i)perylene	17.23	276	88026	6.80	ng	# 84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

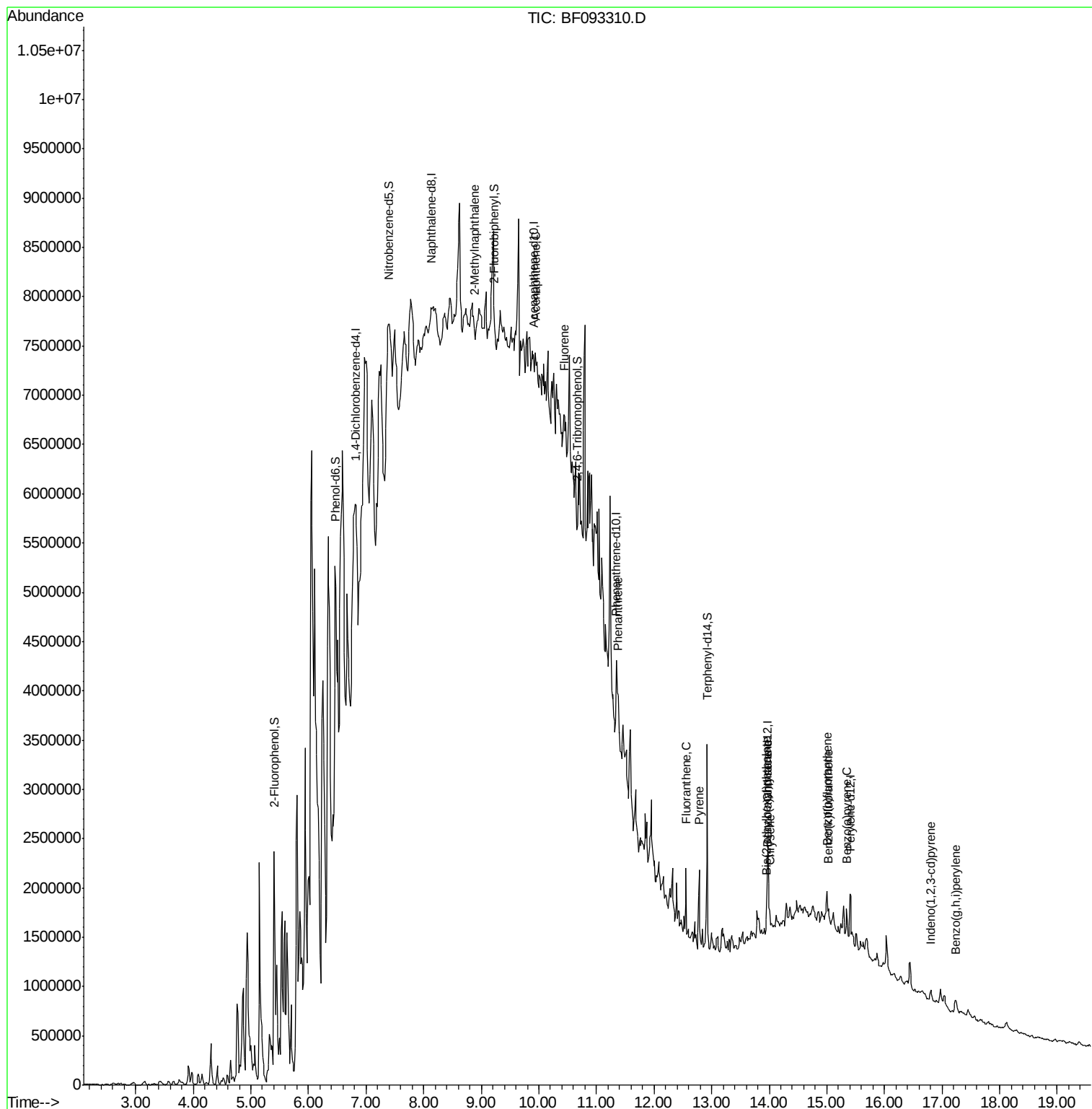
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093310.D
Acq On : 2 Mar 2017 00:56
Operator : SJ/MA
Sample : I2002-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

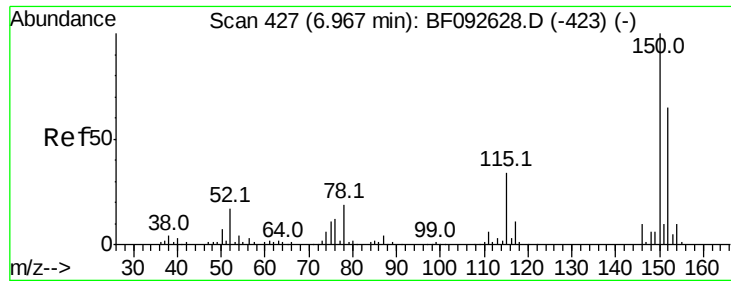
Instrument :
BNA_F
ClientSampleId :
SSP-9(3.5-5.5)

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#1

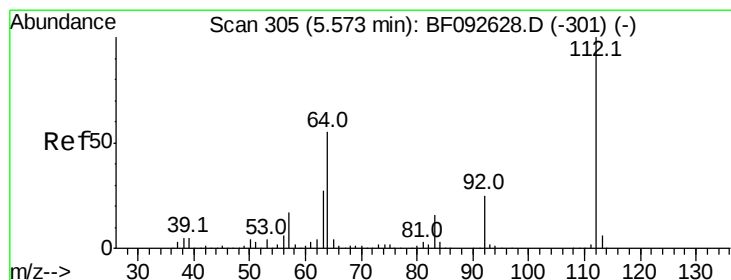
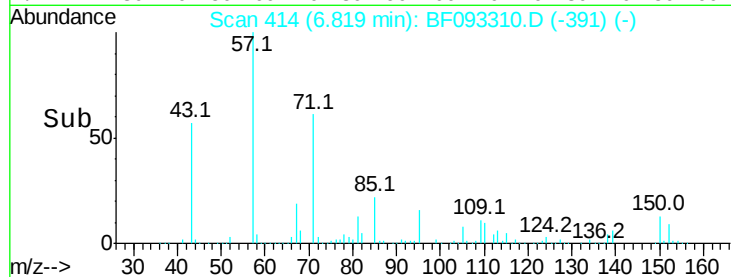
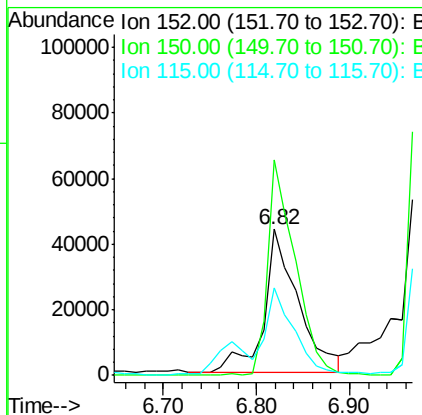
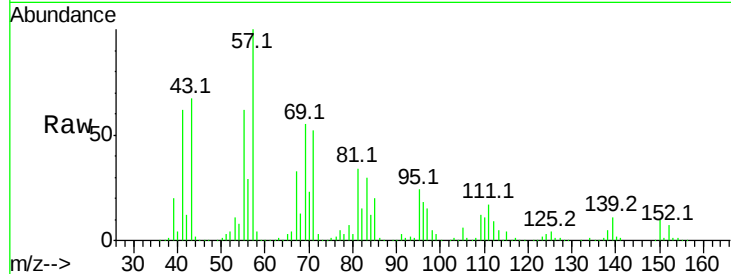
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.03 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Instrument :
BNA_F
ClientSampleId :
SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.1	124.9	187.3
115	59.6	46.0	69.0

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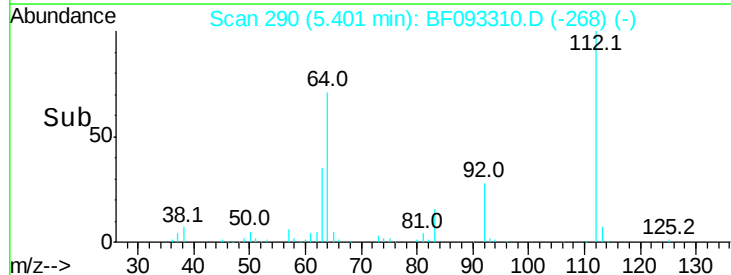
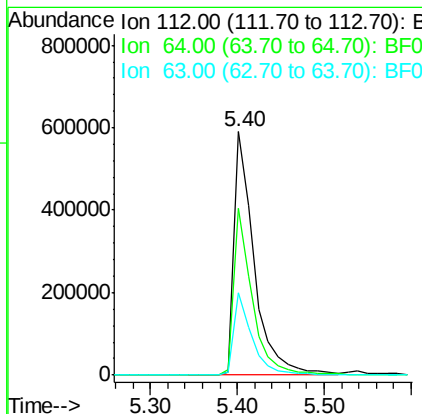
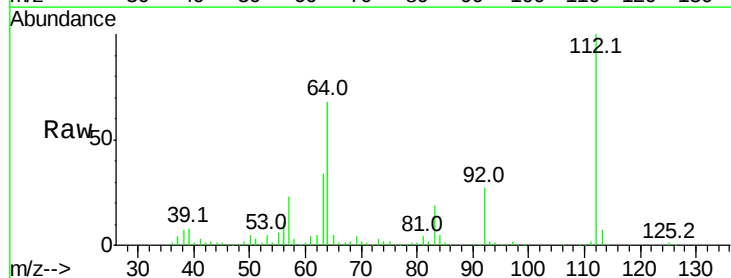
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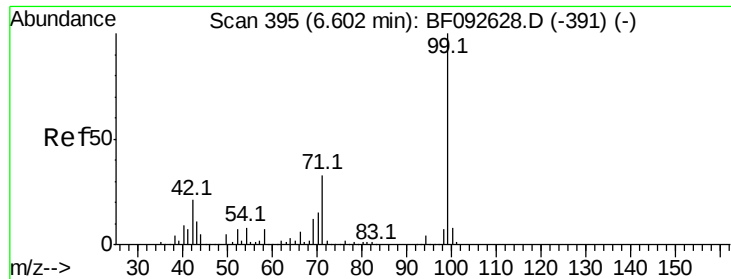


#5

2-Fluorophenol
Concen: 144.66 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.05 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	46.1	69.1
63	33.8	23.8	35.6





#7

Phenol-d6

Concen: 108.75 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

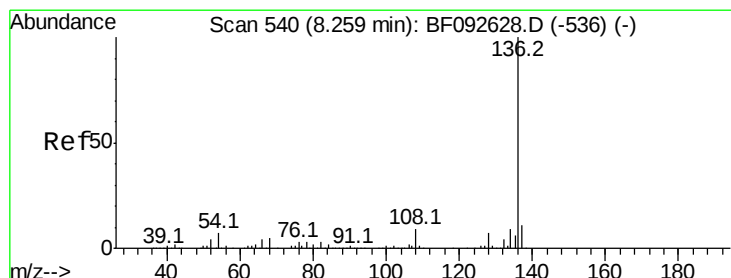
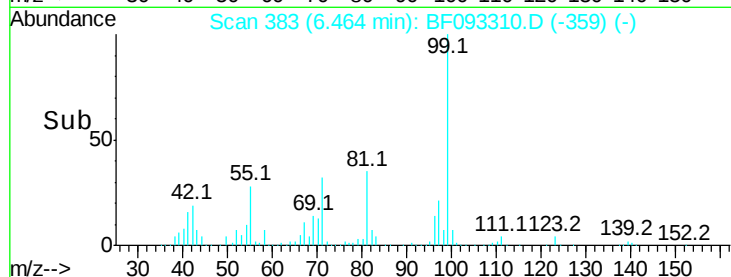
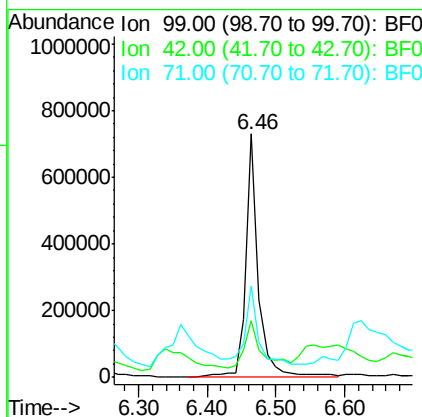
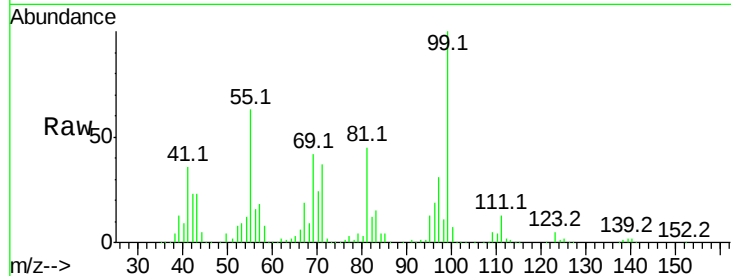
ClientSampleId :

SSP-9(3.5-5.5)

Tot Ion:	99	Resp:	910970
Ion	Ratio	Lower	Upper
99	100		
42	23.4	15.6	23.4
71	37.3	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

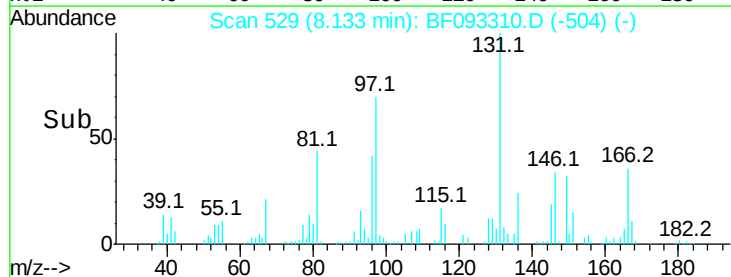
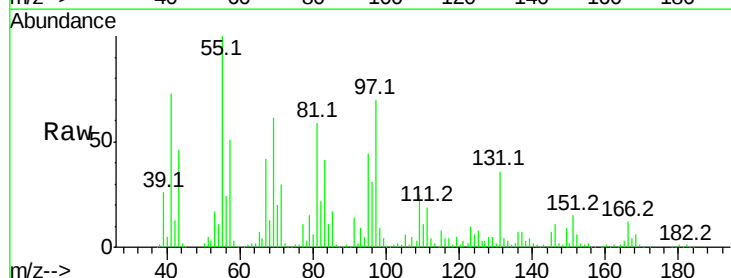
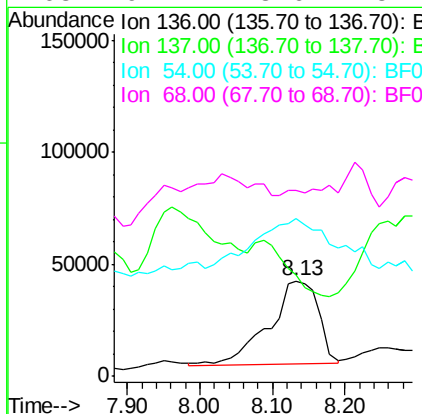
RT: 8.13 min Scan# 529

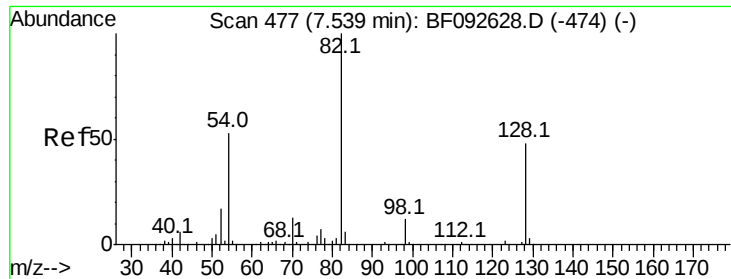
Delta R.T. -0.01 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Tgt Ion:	136	Resp:	176004
Ion	Ratio	Lower	Upper
136	100		
137	105.5	8.4	12.6#
54	165.9	4.5	6.7#
68	194.2	3.6	5.4#





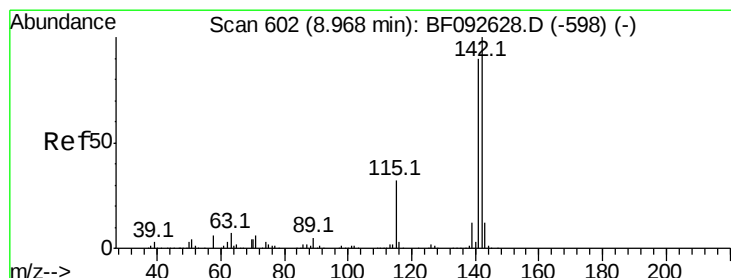
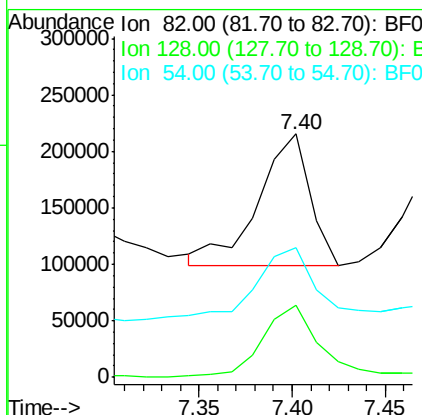
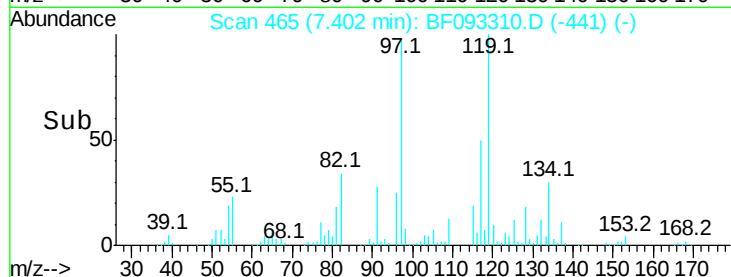
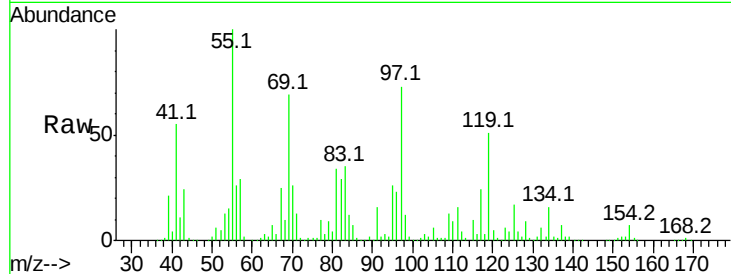
#23
Nitrobenzene-d5
Concen: 71.46 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Instrument :
BNA_F
ClientSampleId :
SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	29.5	34.6	52.0#
54	53.0	39.5	59.3

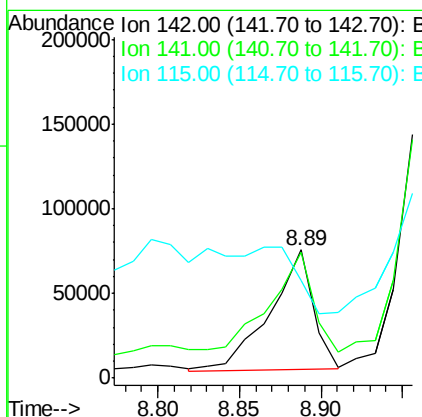
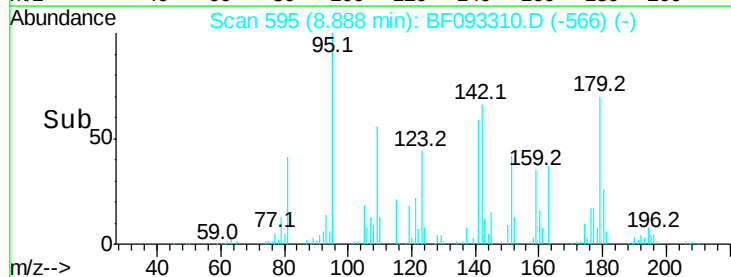
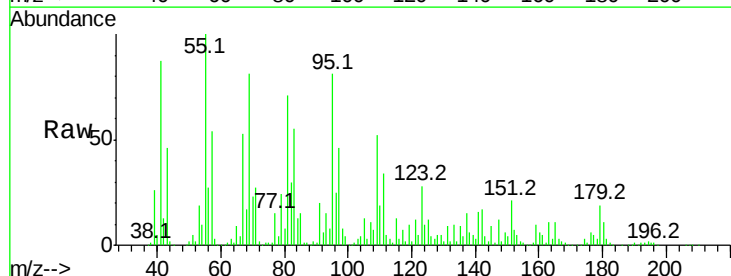
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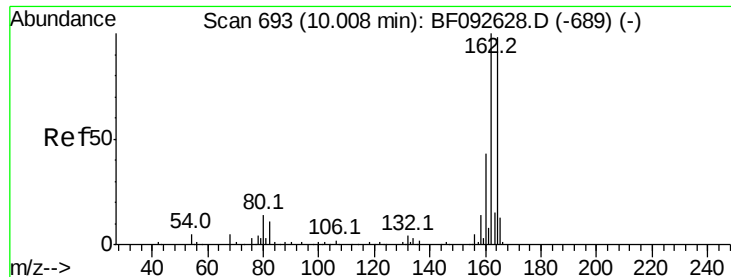
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#37
2-Methylnaphthalene
Concen: 22.63 ng
RT: 8.89 min Scan# 595
Delta R.T. 0.03 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.4	71.0	106.6
115	75.9	28.3	42.5#





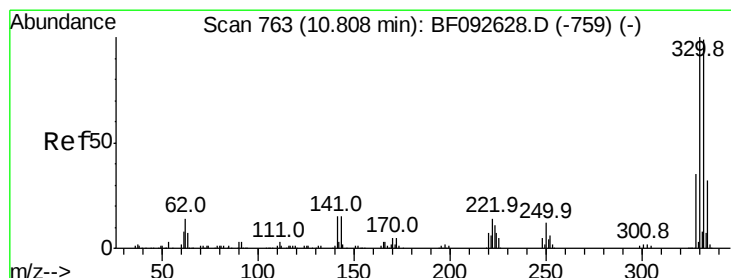
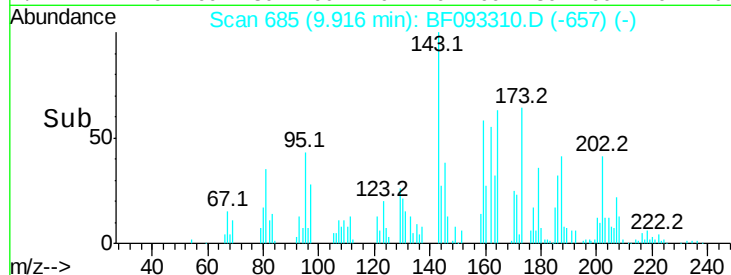
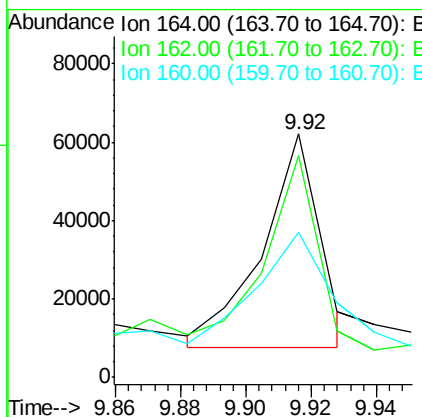
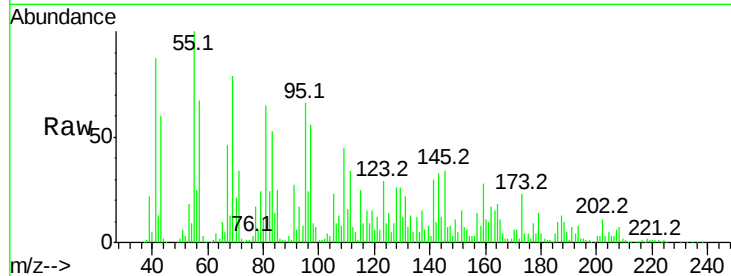
#38
 Acenaphthene-d10
 Concen: 20.00 ng/ml
 RT: 9.92 min Scan# 685
 Delta R.T. 0.02 min
 Lab File: BF093310.D
 Acq: 2 Mar 2017 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	91.0	80.2	120.2
160	59.8	36.9	55.3#

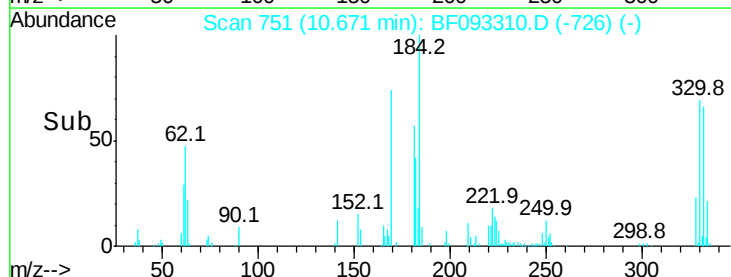
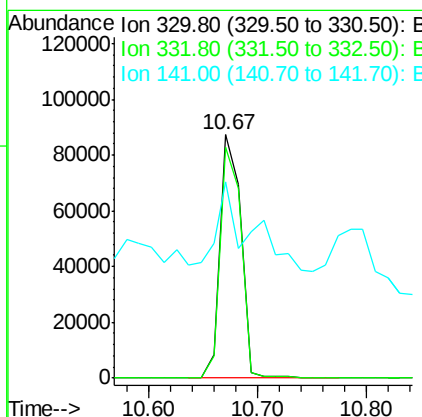
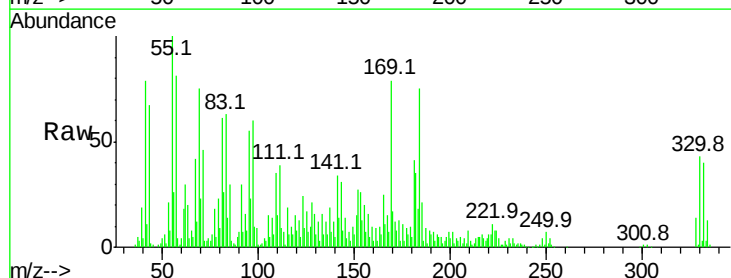
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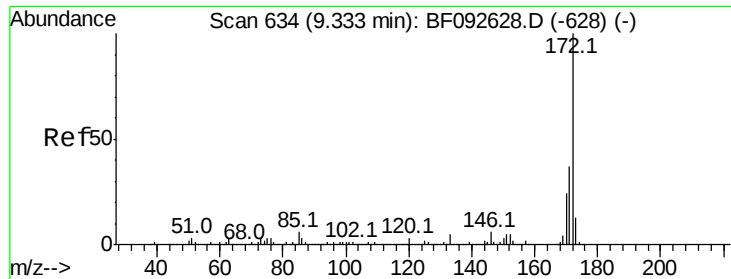
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#41
 2,4,6-Tribromophenol
 Concen: 241.94 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093310.D
 Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	63.3	34.1	51.1#





#44

2-Fluorobiphenyl

Concen: 66.84 ng

RT: 9.23 min Scan# 625

Delta R.T. 0.01 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

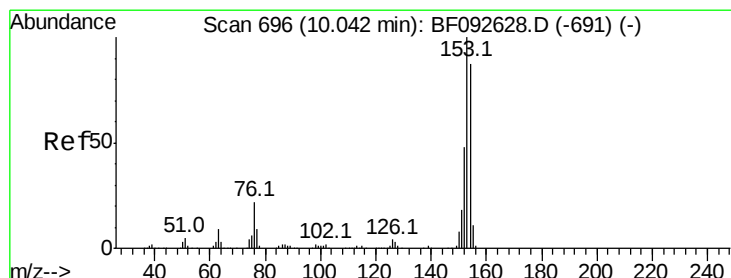
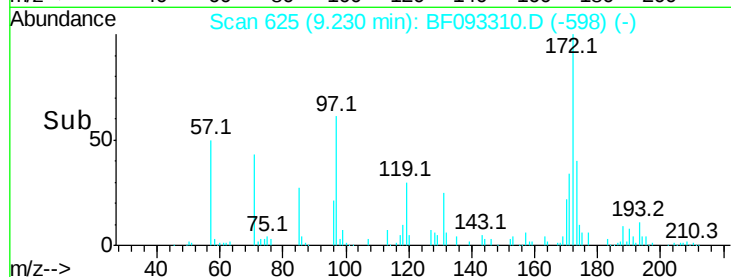
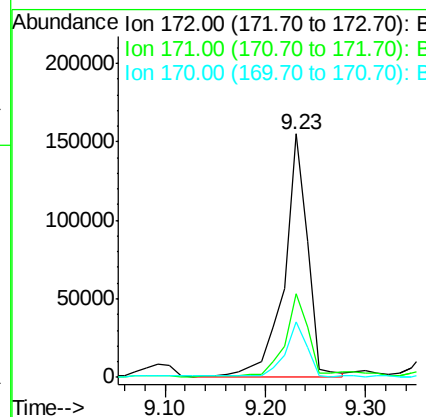
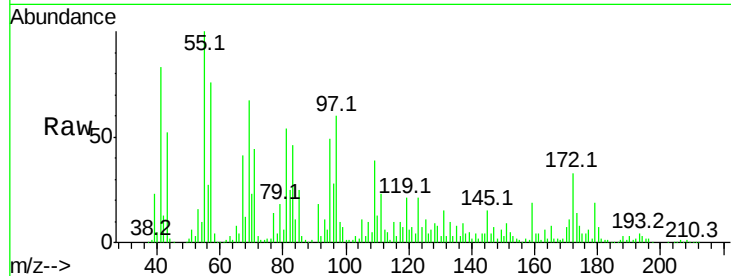
ClientSampleId :

SSP-9(3.5-5.5)

Tot Ion:	172	Resp:	244536
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.4	44.0
170	22.7	20.2	30.4

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#51

Acenaphthene

Concen: 10.08 ng m

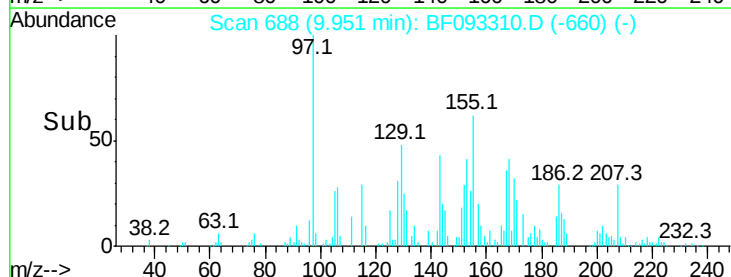
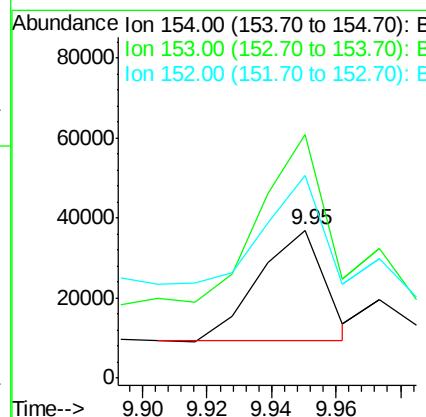
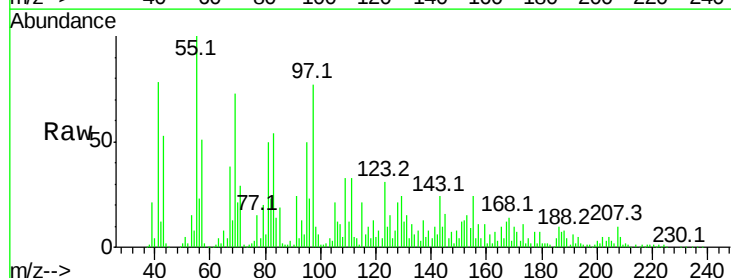
RT: 9.95 min Scan# 688

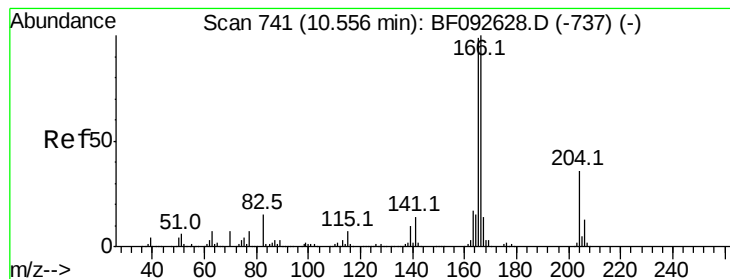
Delta R.T. 0.02 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Tgt Ion:	154	Resp:	39083
Ion Ratio	Lower	Upper	
154	100		
153	164.8	88.6	133.0#
152	137.4	41.6	62.4#





#57

Fluorene

Concen: 43.03 ng/mL

RT: 10.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

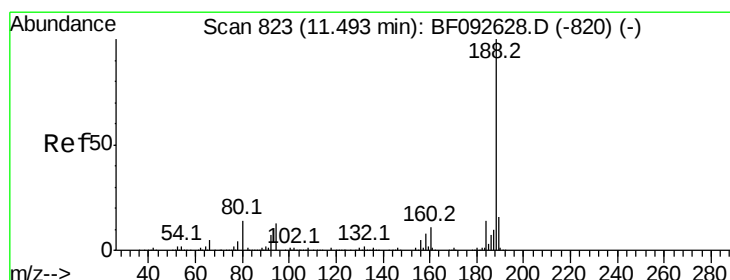
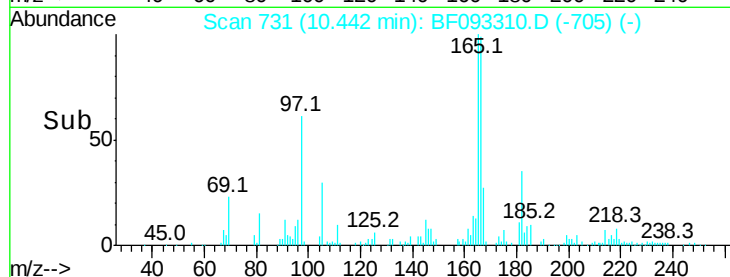
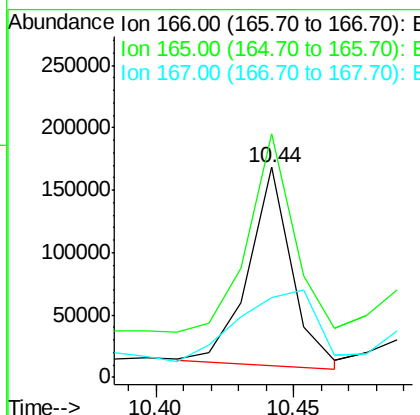
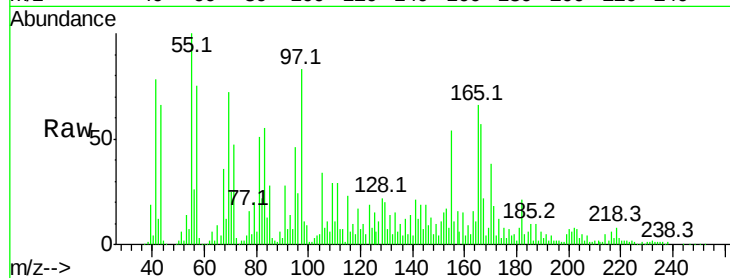
ClientSampleId :

SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	115.9	77.8	116.8
167	37.8	10.8	16.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng/mL

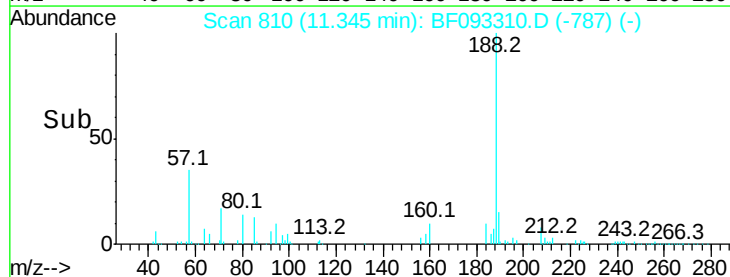
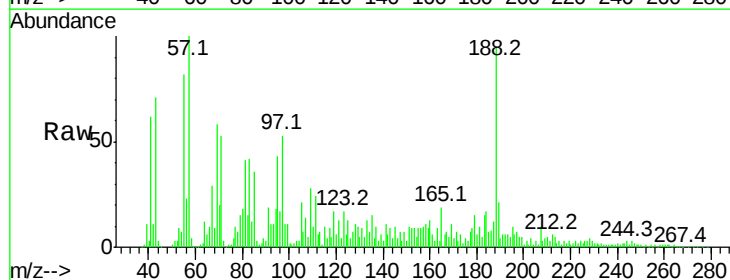
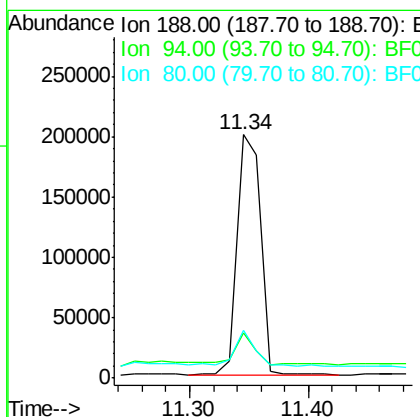
RT: 11.34 min Scan# 810

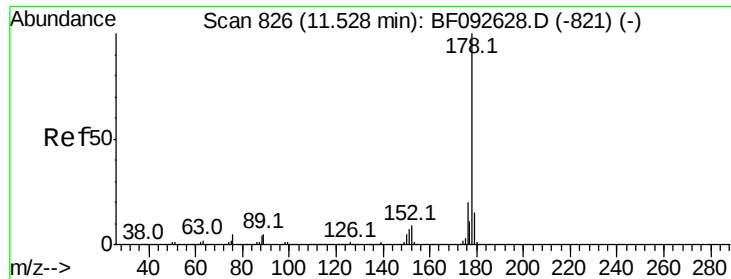
Delta R.T. -0.03 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.6	10.0	15.0
80	19.4	11.2	16.8





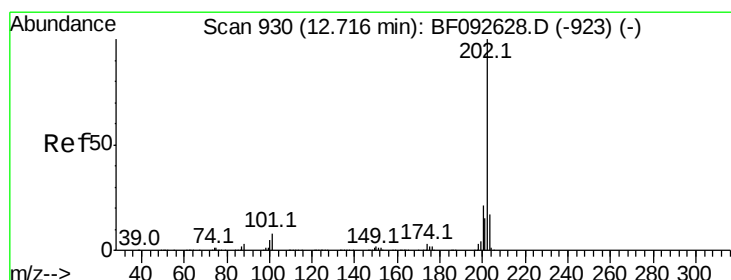
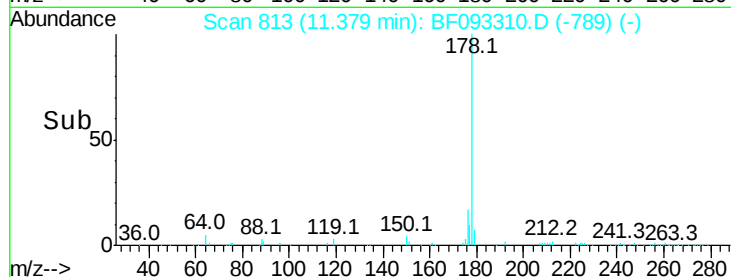
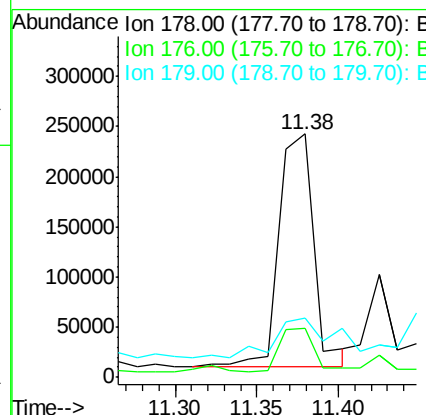
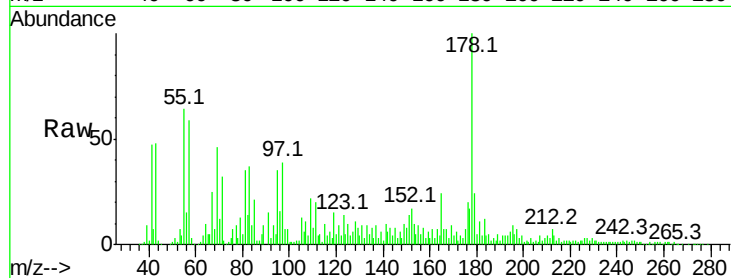
#70
Phenanthrene
Concen: 22.17 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Instrument :
BNA_F
ClientSampleId :
SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.6	25.0
179	24.2	12.8	19.2

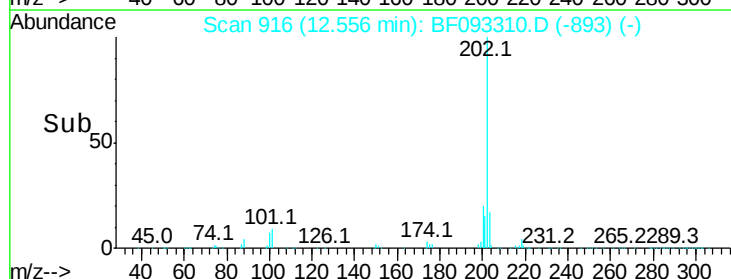
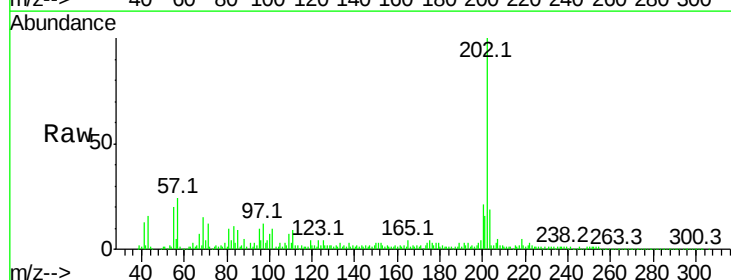
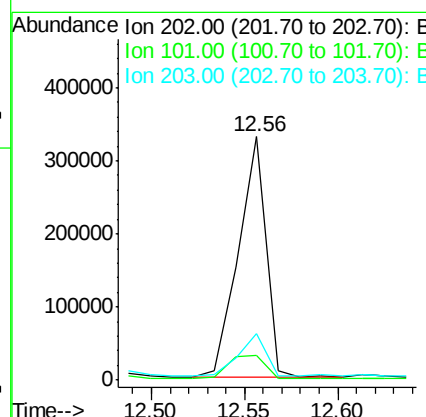
Manual Integrations
APPROVED

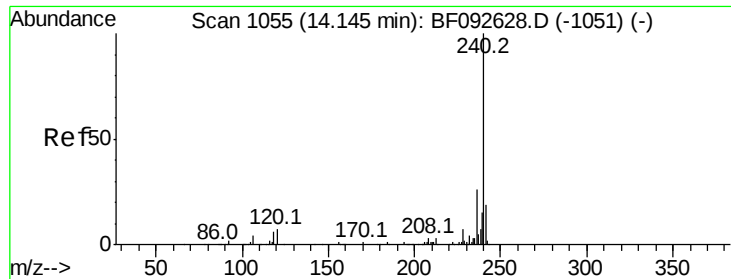
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#74
Fluoranthene
Concen: 21.28 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.6
203	18.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

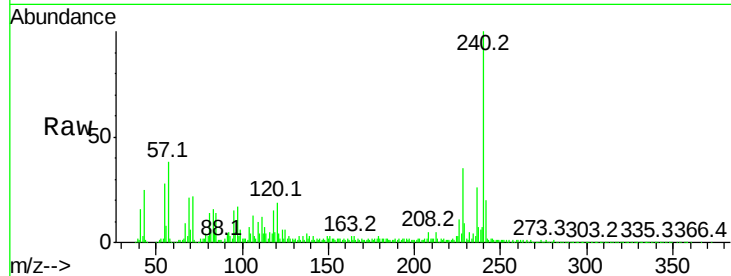
ClientSampleId :

SSP-9(3.5-5.5)

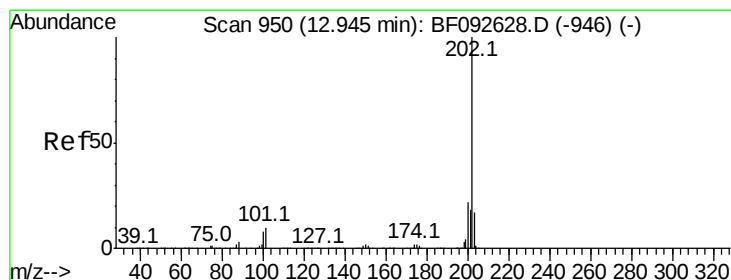
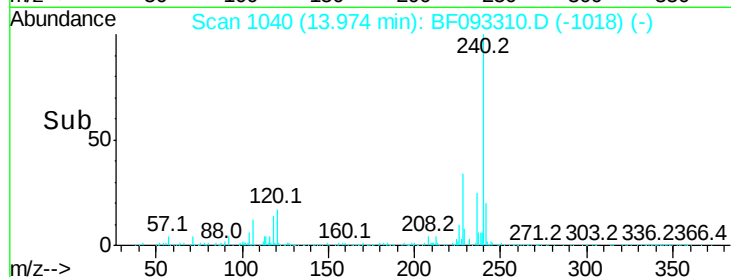
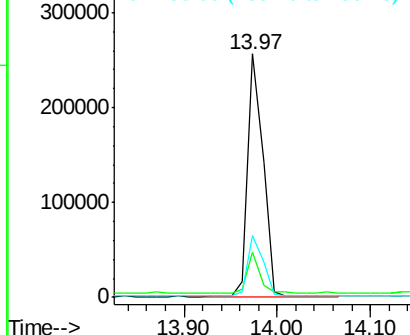
Tot Ion:	240	Resp:	290834
Ion Ratio	Lower	Upper	
240	100		
120	18.8	12.9	19.3
236	25.6	20.9	31.3

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 22.55 ng

RT: 12.79 min Scan# 936

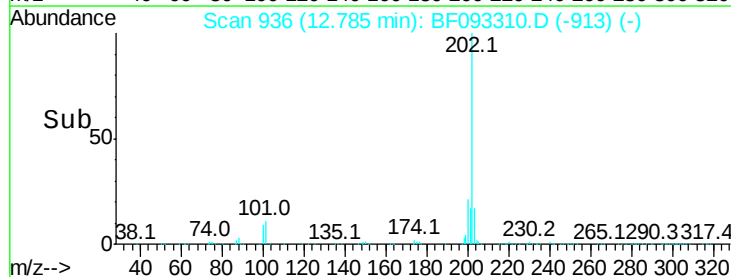
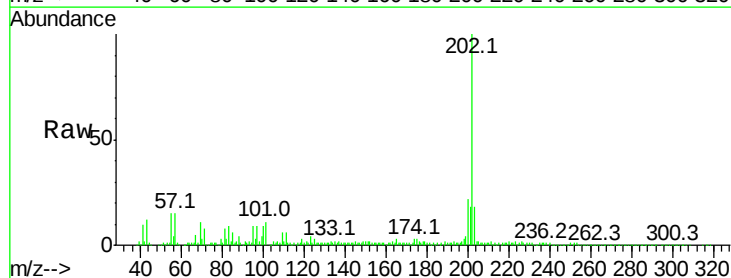
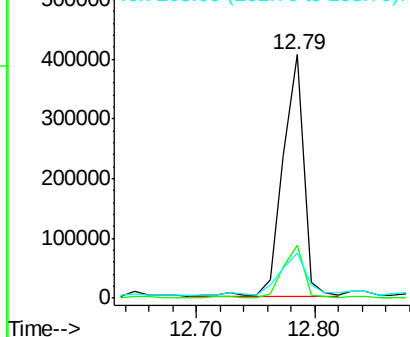
Delta R.T. -0.03 min

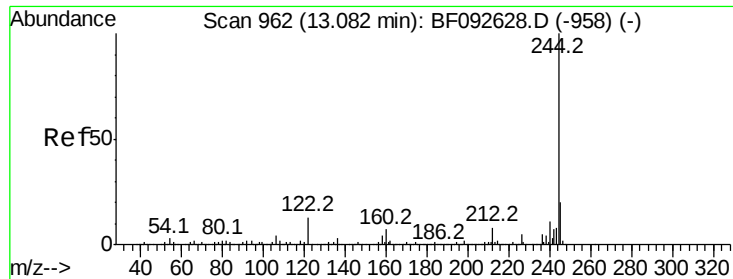
Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Tgt Ion:	202	Resp:	490881
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.5	14.7	22.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.33 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

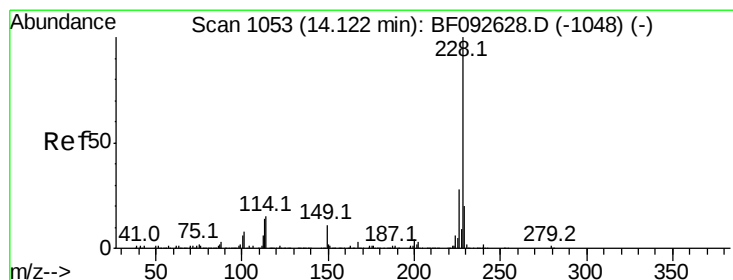
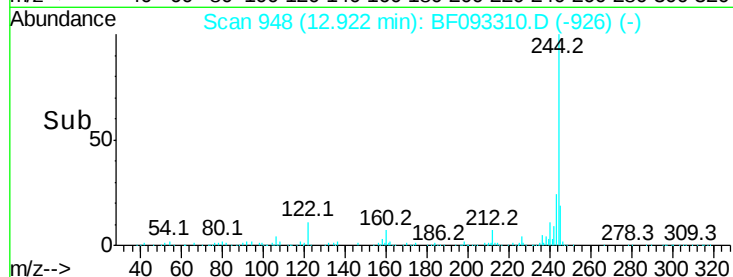
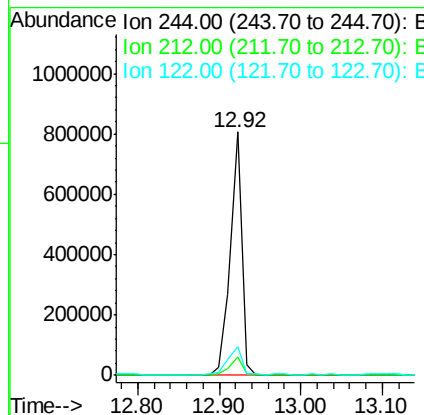
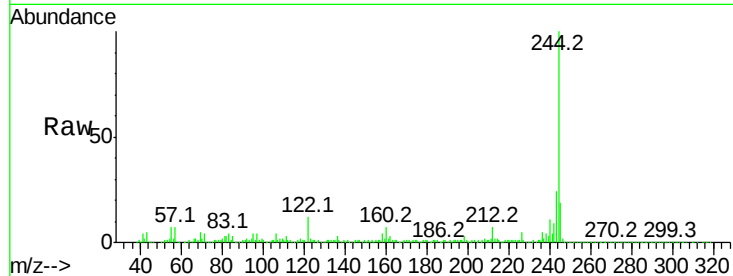
ClientSampleId :

SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	11.8	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 9.78 ng m

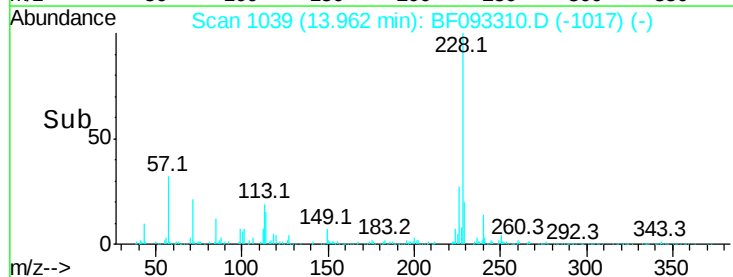
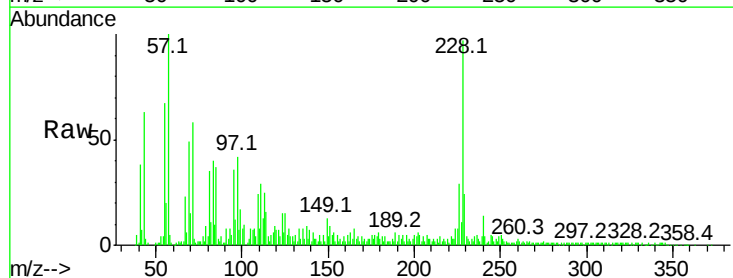
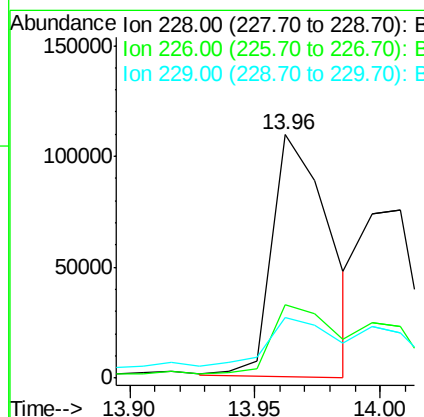
RT: 13.96 min Scan# 1039

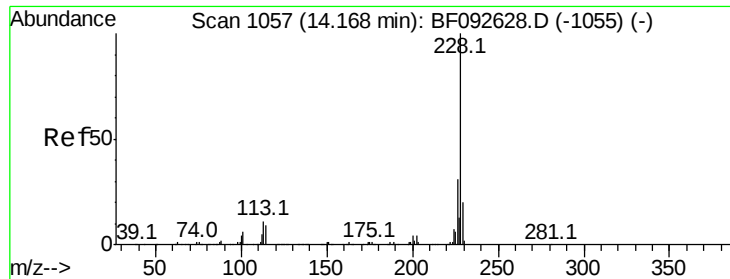
Delta R.T. -0.05 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.4	33.6
229	25.0	16.2	24.4





#82

Chrysene

Concen: 6.43 ng/mL

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

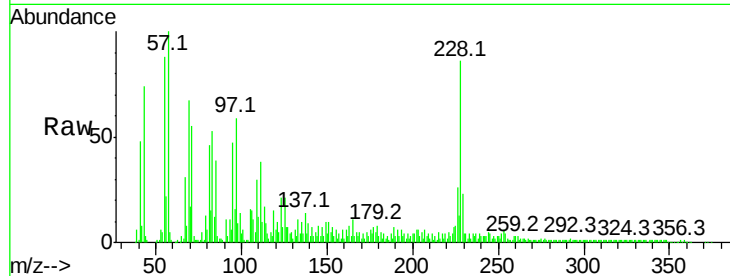
ClientSampleId :

SSP-9(3.5-5.5)

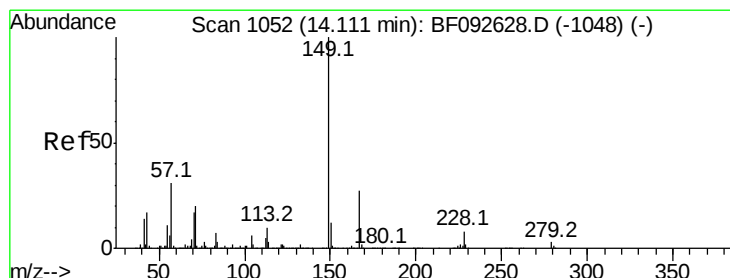
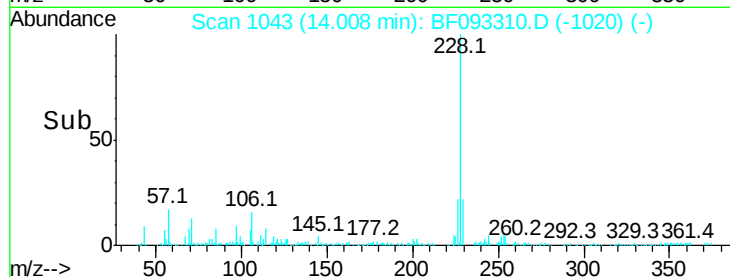
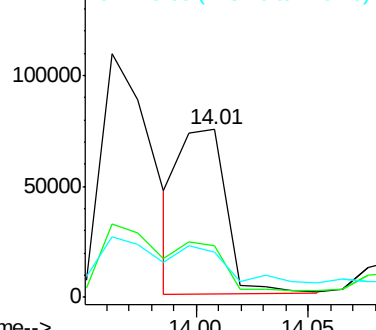
Tot Ion:	228	Resp:	107141
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.4	38.0
229	27.2	16.2	24.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.84 ng/mL

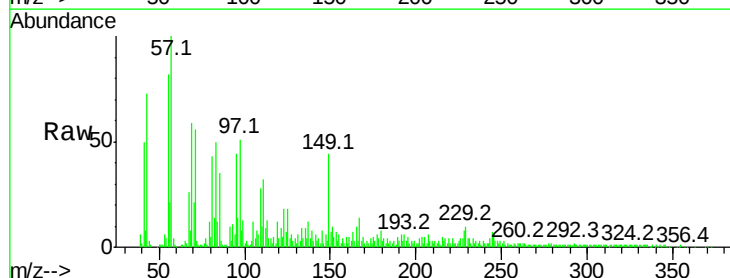
RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

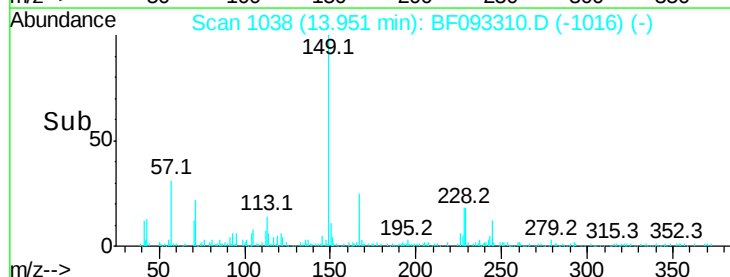
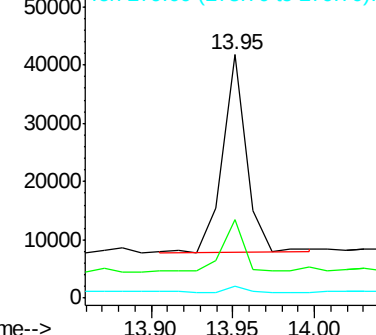
Lab File: BF093310.D

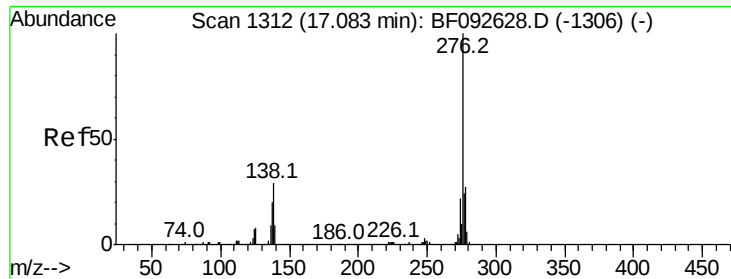
Acq: 2 Mar 2017 00:56

Tgt Ion:	149	Resp:	34384
Ion Ratio	Lower	Upper	
149	100		
167	32.4	20.2	30.4
279	4.7	1.8	2.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





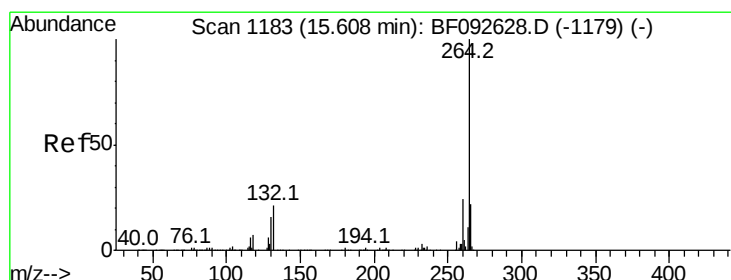
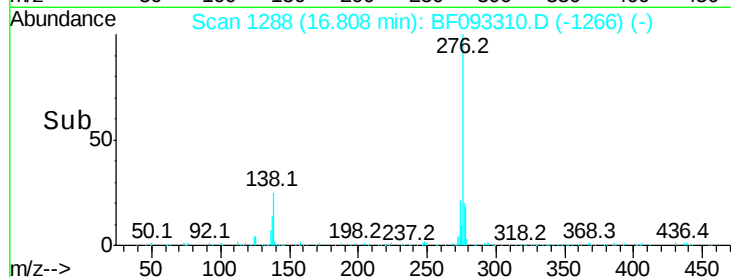
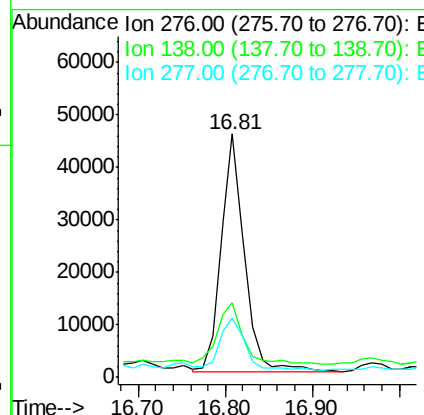
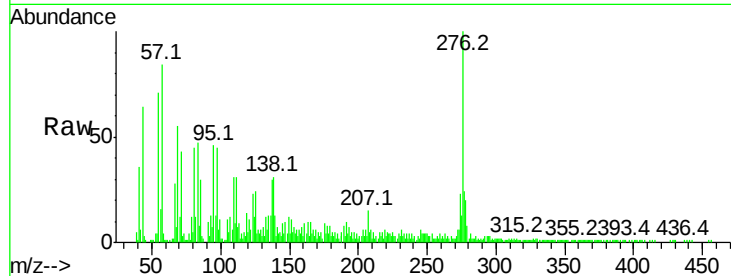
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.49 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Instrument :
BNA_F
ClientSampleId :
SSP-9(3.5-5.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.6
277	23.7	20.2	30.4

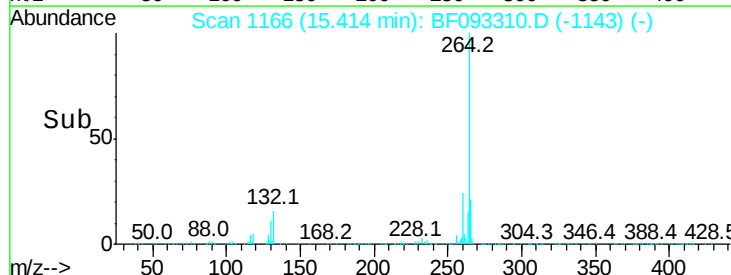
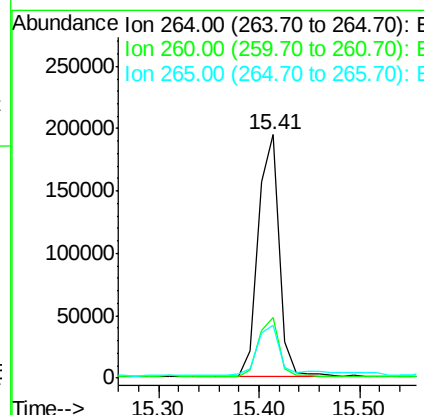
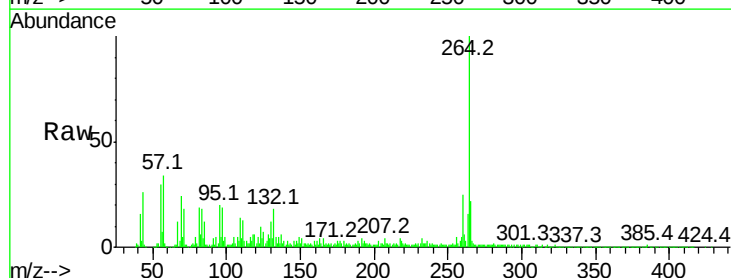
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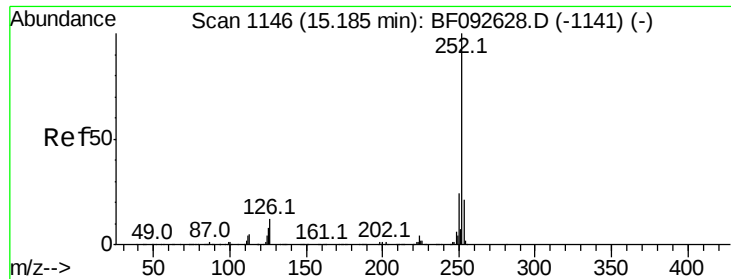
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.9	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 9.55 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Instrument :

BNA_F

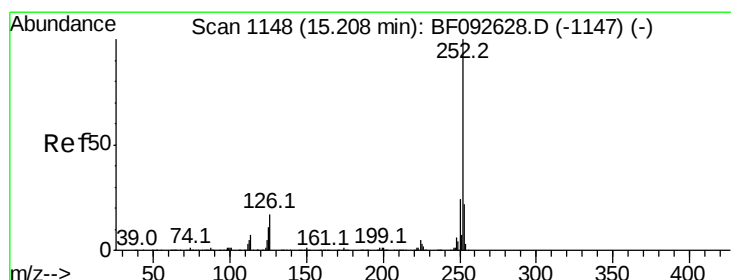
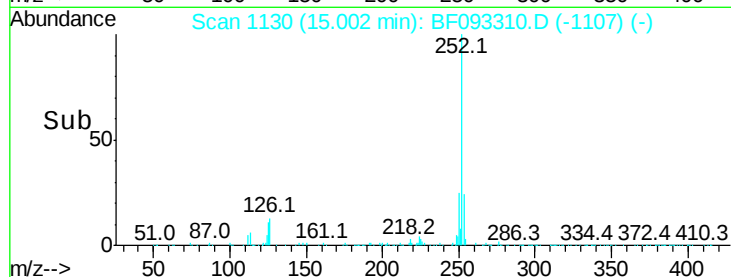
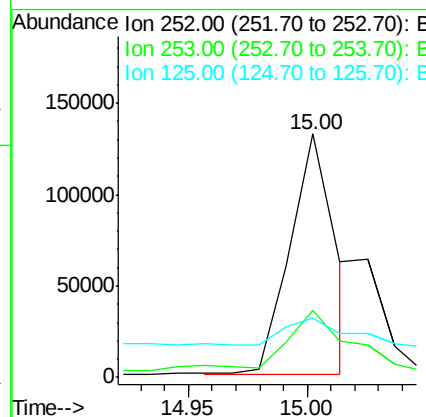
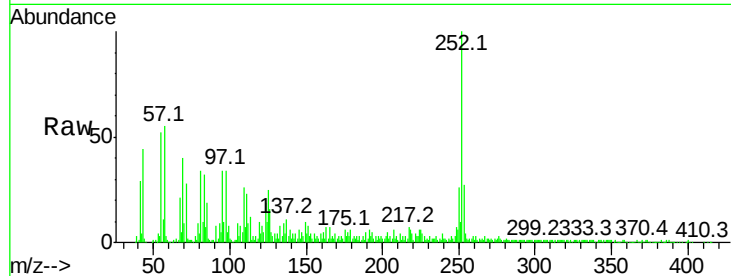
ClientSampleId :

SSP-9(3.5-5.5)

Tot Ion:	252	Resp:	175013
Ion Ratio	Lower	Upper	
252	100		
253	27.3	18.2	27.4
125	24.5	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 3.58 ng m

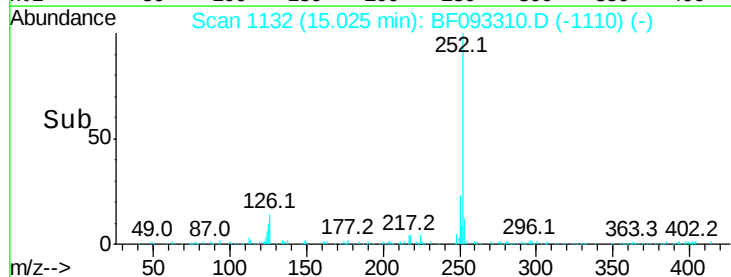
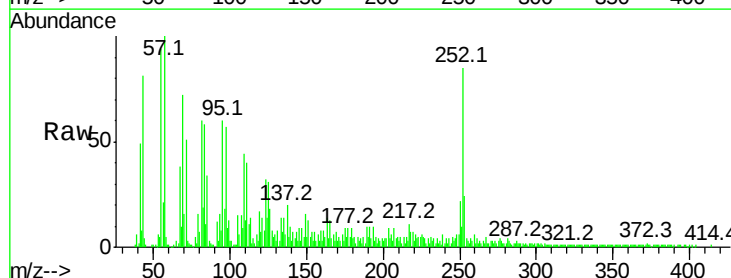
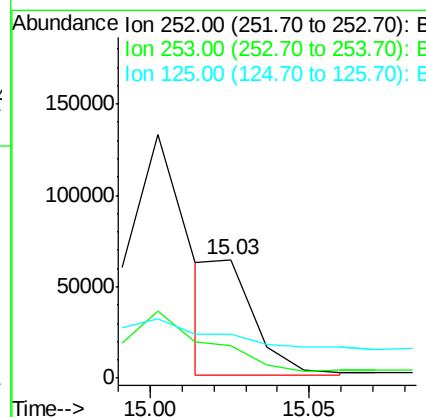
RT: 15.03 min Scan# 1132

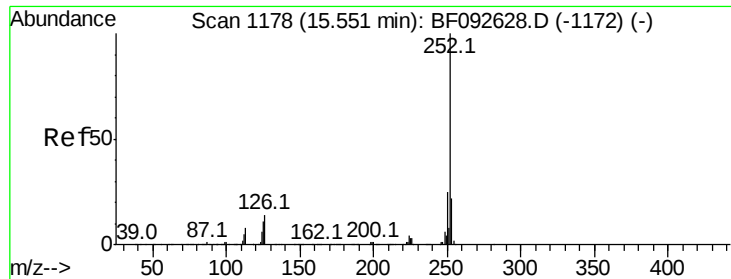
Delta R.T. -0.05 min

Lab File: BF093310.D

Acq: 2 Mar 2017 00:56

Tgt Ion:	252	Resp:	56605
Ion Ratio	Lower	Upper	
252	100		
253	27.6	18.5	27.7
125	36.9	8.9	13.3#





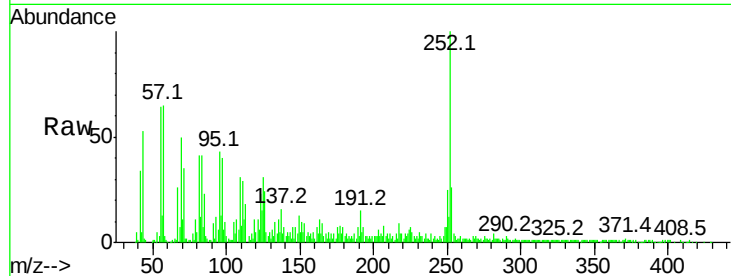
#89
Benzo(a)pyrene
Concen: 8.71 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Instrument :
BNA_F
ClientSampleId :
SSP-9(3.5-5.5)

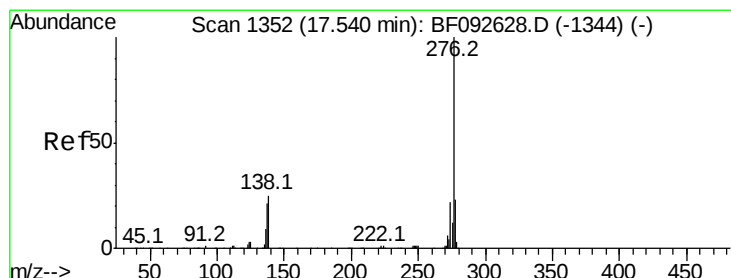
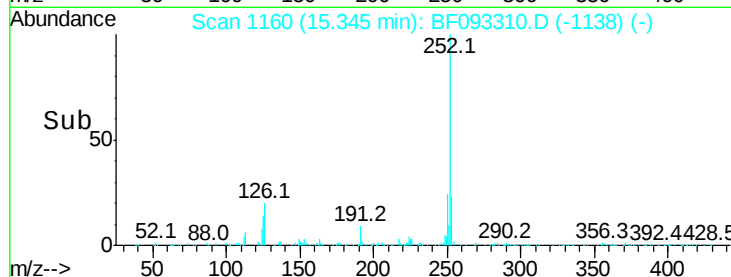
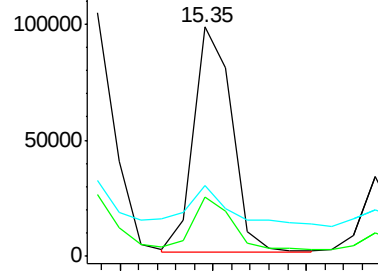
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	30.8	10.0	15.0#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.80 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093310.D
Acq: 2 Mar 2017 00:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.2	28.8
138	34.1	16.0	24.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

